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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/530,253	04/26/2000	HENNING MAAB	PHD98.097	6706
24737	7590	11/17/2006	EXAMINER	
PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			JABR, FADEY S	
			ART UNIT	PAPER NUMBER
			3628	

DATE MAILED: 11/17/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/530,253	Applicant(s) MAAB ET AL.	
	Examiner Fadey S. Jabr	Art Unit 3628	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 31 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Status of Claims

Claims 1-9 have been amended. Claims 1-9 remain pending and are again presented for examination.

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 8 August 2006 has been entered.

Response to Arguments

2. Applicant argues that Hertel fails to disclose "transmitting the data carrier's position to the information unit only in case of initialization and in case of movement of the least one data carrier from the area." However, Hertel discloses reporting the location of the object periodically or upon request, which to one of ordinary skill could be only when the object crosses the permitted boundary (C.3, lines 55-56). Therefore, Hertel discloses transmitting the location of the object only in case of initialization or upon crossing the area.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claims 1-9 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The newly added limitations directed to a **sub-area** have not been found within the specification.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hertel, U.S. Patent No. 5,751,246 in view of O'Mahony, U.S. Patent No. 6,457,129 B2.

As per **Claim 1**, Hertel discloses a locating system comprising:

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- at least one data carrier associated with the object and located in a location defined by an absolute position (C. 2, lines 57-59; C. 3, lines 50-52; C. 4, lines 5-6); and
- an information unit which remote from the at least one data carrier for identifying a current sub-area in which the data carrier is located based on the absolute position, determining sub-area boundaries corresponding to the identified sub- area, and transmitting the sub-area boundaries to the at least one data carrier, and identifying a new sub-area in which the data carrier is located when the data carrier leaves the current sub-area (C. 2, line 52-C. 3, line 6; C. 4, lines 37-39, C. 6, lines 52-60, C. 7, lines 18-26);

wherein said at least one data carrier transmits its position to the information unit only in case of initialization and in case of movement of the at least one data carrier from the current sub-area and a third party interrogates the information unit from the position of the at least on data carrier (C. 2; lines 55-56, C. 5, lines 38-54).

Moreover, O'Mahony teaches a memory to include at least one authorized location for the system; and a comparator to compare the current location with the authorized location (C. 5, line 64 – C. 6, line 3, Claim 1). Therefore, it would have been obvious to one of ordinary skill in the art at the time of applicant's invention to modify the method of Hertel and include a plurality of locations in which the object can be located when moved outside its current area as taught by O'Mahony, because it provides the system with a greater coverage area to locating the object.

As per Claim 2, Hertel further discloses a locating system wherein the at least one data carrier has a memory for storing the sub-area boundaries and absolute data, and a comparator for

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comparing the position data with the area information when the boundaries corresponding to the sub-area received by the at least one data carrier (C. 2, lines 61-63; C. 4, lines 10-11; C. 5, lines 38-40).

As per Claim 3, Hertel discloses a method of locating an object provided with a data carrier located in an area, the method comprising:

- receiving position data by the data carrier from a position-determining system (C. 3, lines 60-63);
- transmitting position data by the data carrier to an information unit (C. 4, lines 4-48);
- identifying, in the information unit, a current sub-area in which the data carrier is located based on the position data (C. 2, line 52-C. 3, line 6; C. 6, lines 52-60, C. 7, lines 18-26);
- determining, in the information unit, sub-area boundaries corresponding to the identified sub-area (C. 2, lines 60-67; C. 3, lines 1-6, C. 6, lines 52-60, C. 7, lines 18-26);
- transmitting the sub-area boundaries to the data carrier (C. 2, lines 60-67; C. 3, lines 1-6);
- comparing a position of the data carrier with the sub-area boundaries (C. 5, lines 38-40);
- transmitting new position data to the information unit only in case of initialization and in case of a negative result of the comparison of the sub-area boundaries

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- transmitted by the information unit with the position of the data carrier (C. 5, lines 38-54);
- identifying, in the information unit, a new sub-area in which the data carrier is located when the data carrier leaves the current sub-area (C. 6, lines 52-60, C. 7, lines 18-26);; and
 - interrogating the information unit from a third party for the position of the data carrier (C. 5, lines 43-51).

Moreover, O'Mahony teaches a memory to include at least one authorized location for the system; and a comparator to compare the current location with the authorized location (C. 5, line 64 – C. 6, line 3, Claim 1). Therefore, it would have been obvious to one of ordinary skill in the art at the time of applicant's invention to modify the method of Hertel and include a plurality of locations in which the object can be located when moved outside its current area as taught by O'Mahony, because it provides the system with a greater coverage area to locating the object.

As per **Claim 4**, Hertel further discloses a method wherein the current sub-area in which the data carrier is located is stored in the information unit (C. 4, lines 37-39).

As per **Claim 5 and 8**, Hertel fails to explicitly disclose wherein the plurality of possible sub-areas are stored in the information unit as electronic maps. However, Hertel discloses a navigation system which comprises moving map displays that aid driver navigation (C. 2, lines 43-49). Hertel also discloses transmitting to the stored GPS receiver generated location to the interrogator for display to the shopper where the desired item is located (C. 3, lines 12-15).

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Further, Hertel discloses defining the space boundary of the permitted motion of the person or object (C. 3, lines 50-56).

Further, O'Mahony teaches systems with maps for the purpose of having an authorized area of use (C. 6, lines 23-67). Therefore, it would have been obvious to one of ordinary skill in the art at the time of applicant's invention to modify the method of Hertel and include electronic maps as taught by O'Mahony, because it provides added security for the system monitoring the receiver's location (C. 6, lines 60-64).

As per **Claim 6 and 9**, Hertel fails to explicitly disclose wherein the sub-area boundaries are transmitted in the form of data of a polygon. However, Hertel discloses providing the spatial position of any person, where the spatial position is measured in x, y, z, and t coordinates (C. 2, lines 57-61; C. 3, lines 50-56). Therefore, it would have been obvious to one of ordinary skill in the art at the time of applicant's invention to modify the method of Hertel and include providing the spatial position of a person in x, y, z and t coordinates, because it provides the user with a convenient form for outlining the spatial position of the person associated with the receiver.

As per **Claim 7**, Hertel discloses a method wherein the information unit provides the third party with the position data of the respective sub-area (C. 3, line 38 – C. 6, line 5).

Conclusion

Examiner's Note: Examiner has cited particular columns and line numbers in the references as applied to the claims below for the convenience of the applicant. Although the

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specified citations are representative of the teachings in the art and are applied to the specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested that the applicant, in preparing the responses, fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the examiner.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Fadey S. Jabr whose telephone number is (571) 272-1516. The examiner can normally be reached on Mon. - Fri. 7:30am to 4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Hayes can be reached on (571) 272-6708. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Fadey S Jabr
Examiner
Art Unit 3628

FSJ

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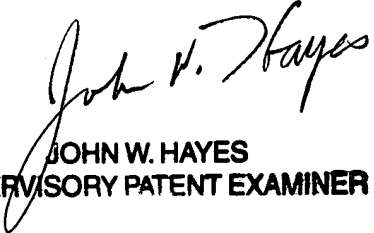
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JOHN W. HAYES
SUPERVISORY PATENT EXAMINER